

Publisher/ Contract Expiration	Title of Material	Author	Copyright	Grade Level	ISBN	Correlation
Cengage Learning 12/31/20	Metal Fabrication Technology for Agriculture	Jeffus	2011	9-12	9781435498570	Highly Recommended as a comprehensive program for Agricultural Fabrication
<p><b>Notes:</b> Strengths- Great pictures, organizers; starts basic and builds on that; great teacher resources; easy to use/color; not too large; very durable; no industry bias. Weaknesses- No teacher's instructional guide; no test generator; specific to welding courses, not a generic Ag. Mechanics book.</p> <p><b>Key Features:</b> METAL FABRICATION TECHNOLOGY FOR AGRICULTURE, 2E provides your students with an easy-to-understand, safety-conscious introduction to agricultural welding processes and techniques. Each section of this full-color book begins by introducing your students to equipment and materials used in agricultural welding and includes complete setup instructions.</p> <ul style="list-style-type: none"> <li>Contains experiments that allow students to develop new, hands-on skills while gaining an understanding of the parameters of each welding process discussed in the book.</li> <li>Includes practices that provide opportunities for your students to fine-tune their skills using different materials and different material thicknesses in a variety of positions.</li> <li>Includes a completely updated chapter on plasma cutting.</li> <li>Updated art and photos throughout the book reflect current welding equipment, supplies, materials, and processes.</li> <li>Gas Metal Arc Welding and Flux Cored Arc Welding reflect new filler metals, processes, and applications.</li> </ul>						
Metal Fabrication Technology for Agriculture, Vital Source eBook (6 year access)					9781285351148	
Metal Fabrication Technology for Agriculture, Instructor Resource CD-ROM					9781435498563	
Publisher	Title of Material	Author	Copyright	Grade Level	ISBN	Correlation
Cengage Learning 12/31/20	Power Equipment Engine Technology	Abdo	2011	9-12	9781418053888	Recommended as a comprehensive program for Small Gas Engines

	<p><b>Notes:</b> Should be used with small engines course not Ag Power. Strength: good picture on front cover. Weaknesses: hard to read and confusing diagrams. Black and white (and blue) colors not engaging, too technical, high level reading, would work better in a tech school or industry.</p> <p><b>Key Features:</b> POWER EQUIPMENT ENGINE TECHNOLOGY (PEET) has been written to make the learning experience enjoyable with easy-to-read-and-understand chapters and over 600 illustrations to assist visual learners with content comprehension. Give yourself a head-start in today's world with PEET – giving you the knowledge you need with a solid education prior to working in the field.</p> <ul style="list-style-type: none"> <li>• Excellent use of full-color illustrations and photos, and an easy-to-read writing style is used to cover varying degrees of student comprehension.</li> <li>• The text does a great job of introducing electrical theory. The foundation this textbook sets with its basic maintenance and troubleshooting will serve students well as they move into more advanced courses.</li> <li>• An exceptionally organized layout of chapters provides a more logical read than that of other books with similar content.</li> <li>• This book never misses a beat, with amazing attention to detail and descriptive narrations with up-to-date and accurate information.</li> <li>• An extra all-encompassing student workbook facilitates learning and the application of knowledge and skills.</li> </ul>					
	Power Equipment Engine Technology, Vital Source eBook (6 year access)				9781285351643	
	Power Equipment Engine Technology, Instructor Resource CD-ROM				9781418053901	
	Power Equipment Engine Technology, Workbook				9781418053895	
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Cengage Learning 12/31/20	Welding Principles and Applications	Jeffus	2012	9-12	9781111039172	Highly Recommended as a comprehensive program for Agricultural Welding

	<p><b>Notes:</b> Very comprehensive. Use for Advanced and Intro Welding. Some sections too advanced for this course. Strengths: Very comprehensive, use for advanced and intro welding, great pictures and charts, durable, power point, test bank. Weaknesses: overwhelming, some sections too advanced for this course, smaller print size.</p> <p><b>Key Features:</b></p> <p>WELDING: PRINCIPLES AND APPLICATIONS, 7E has been updated to include new welding processes, technologies, techniques and practices. It also contains hundreds of new and updated photographs and illustrations, as well as environmental and conservation tips. Your students will find tight shots of actual welds that will help them quickly learn a variety of different welding processes used today.</p> <ul style="list-style-type: none"> <li>• Includes hundreds of new and updated photographs and line art.</li> <li>• Includes environmental and conservation tips.</li> <li>• Includes new welding processes and technologies.</li> <li>• Contains expanded material on processes such as Plasma Cutting, Flux Cored Arc Welding, and Gas Metal Arc Welding.</li> <li>• Contains new chapters that include Shop Math, Reading Technical Drawings, and Fabricating Techniques and Practices.</li> <li>• Covers the most current welding technologies, so your students can feel confident that they are well-prepared for entering today's welding field.</li> <li>• Includes a newly revised companion Study Guide/Lab Manual that makes it easy for your students to gain hands-on welding practice.</li> </ul>					
	Welding Principles and Applications, CourseMate				9781111124809	
	Welding Principles and Applications, Vital Source eBook (6 year access)				9781133209478	
	Welding Principles and Applications, Instructor Resource CD-ROM				9781111039165	
	Welding Principles and Applications, Study Guide/Lab Manual				9781111039189	
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Cengage Learning 12/31/20	Agricultural Mechanics : Fundamentals & Applications	Herren	2015	9-12	9781285058955	Highly Recommended as a comprehensive program for Introduction to Agricultural Mechanics

**Notes:** Very comprehensive. Covers several ag content areas. Good pictures and diagrams. Great high school book. Contains plans. Don't have to teach in order- can jump around. Good teacher resources. Overbearing because so large- could intimidate students.

**Key Features:**

This trusted text provides a thorough introduction to agricultural mechanics, covering fundamental mechanical and engineering theory, common tools and materials, and a wide range of practical applications. Units explore essential topics such as career opportunities, shop orientation and procedures, woodworking and metal working, tool fitting, project planning, cutting and welding, paints and paint application, power mechanics, electrical wiring, plumbing, hydraulics, concrete and masonry, and agricultural structures.

- Expanded coverage of safety using power hand tools, stationary power equipment and other areas has been added.
- The Relevant Websites at the end of each unit have been updated to provide clearer search information in the event web links change or become out of date.
- This proven text provides a comprehensive and engaging introduction to agricultural mechanics, exploring basic mechanical and engineering theory, essential tools and materials, and a wide range of real-world projects.
- The text features dedicated chapters on dozens of critical topics, including metal and career selection, wood and metal working, tool identification, project planning, cutting and welding, paints and paint application, power mechanics, electrical wiring, plumbing, hydraulics, concrete and masonry, and agricultural structures.

Agricultural Mechanics : Fundamentals & Applications, CourseMate

9781285851501

Agricultural Mechanics : Fundamentals & Applications, Vital Source eBook (6 year access)

9781305176300

Agricultural Mechanics : Fundamentals & Applications, Instructor's Website

9781285058986

Agricultural Mechanics : Fundamentals & Applications, ClassMaster CD-ROM

9781285058993

Agricultural Mechanics : Fundamentals & Applications, Lab Manual

9781285059013

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Goodheart- Willcox  12/31/20	Small Gas Engines	Roth, Fisher, Gauthier	2012	9-12		Highly Recommended as a comprehensive program for Small Gas Engines, Small Engine Repair
	<b>Notes:</b> Strengths: Clear pictures and graphics- easy to understand, especially carburetors, manageable size, comprehensive- goes through engine, could be for intermediate and advanced students. Weaknesses: online textbook hard to read and navigate, no general intro on use and importance of small engines, no teacher edition with notes <b>Key Features:</b> <i>Small Gas Engines</i> explores the principles of small gasoline engine design, construction, and operation. It also presents a detailed overview of small engine maintenance, troubleshooting, service, rebuilding, and repair. In addition, <i>Small Gas Engines</i> includes extensive coverage of outdoor power equipment applications and the specialized service related to each type of equipment.					
	Small Gas Engines Bundle - Text + Online 6yr. Classroom Subscription				978-1-61960- 119-2	
	Small Gas Engines - Workbook				978-1-60525- 549-1	